DVD Studio Pro

Professional DVD authoring made simple.

Key Features

Full-featured DVD authoring

- Author DVD-Video discs that include
  - Motion or still menus
  - Interactive buttons and links
  - Up to 99 tracks, each with up to 9 different angles, chapter markers, and multiple stories
  - Multilanguage support allowing up to 32 subtitle streams per track
  - Slide shows
  - Up to 8 audio streams per track
  - Dolby Digital AC-3 format audio
  - Web links
  - 16:9 format support
- Create both DVD-5 and DVD-9 projects
- Record finished projects to DVD-R, DVD-RAM, or digital tape

Powerful tools

- Encode video using the included MPEG-2 Encoder, or use any DVD-compliant MPEG encoder
- Import files from Adobe Photoshop, or video from Final Cut Pro or other editing applications, to create great-looking menus and overlays
- Instantly see how your DVD project looks and operates with full, real-time previewing
- Design event- or result-driven applications using the DVD scripting language
- Use Subtitle Editor to simplify the creation of multi-lingual titles
- Easily add buttons and chapter markers using the interactive marker editor

Clear, intelligent workflow

- Get started fast with the easy-to-use Apple interface
- Assign assets with drag-and-drop ease
- Get a detailed view of every parameter of a selected item
- Use simple pop-up menus to make all applicable settings for an item
- Edit buttons and their corresponding links
- Easily assign the layers in your graphics files to any still menu

The world of video is going digital. You're shooting with high-quality DV camcorders. You're editing digitally with professional software packages such as Final Cut Pro. So why dub your finished projects onto low-quality analog videotape? With DVD Studio Pro you can author your own DVD-Video discs—so your work is digital from start to finish. Best of all, because it's from Apple, it's designed for creative professionals, not DVD technicians.

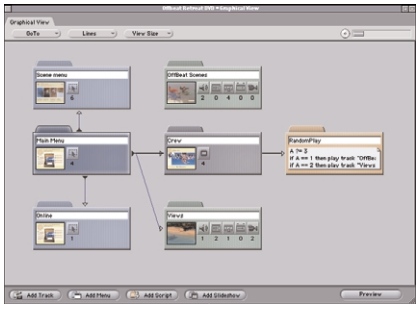
DVD Studio Pro includes every feature outlined in the DVD-Video standard. Though it's easy enough for nonspecialists to use, DVD Studio Pro puts you in control of every capability required by professional DVD technicians. Taking over where video editing applications such as Final Cut Pro leave off, DVD Studio Pro handles the MPEG encoding, menu creation, asset organization, linking, and output formatting that are required to produce DVD-Video discs. It uses QuickTime technology to ensure the highest quality and easy integration with the editing and special effects software you already use.

Your DVD projects can include motion or still menus, up to 99 video tracks (each with chapter markers, multiple stories, and up to 9 different angles, 8 audio streams, and 32 subtitle streams), slide shows, and multiple language tracks. DVD Studio Pro reads native Adobe Photoshop files directly to create great-looking menus and overlays. Or you can design menus using full-motion clips imported from a video editor such as Final Cut Pro.

DVD Studio Pro handles all kinds of audio, from mono to 5.1 surround sound, and includes industry-leading Dolby Digital AC-3 encoding. You can also add web links to your DVD, so with just a click, your audience can reach detailed information, product updates, or even your web store. Videotape doesn't come close to that kind of interactivity.

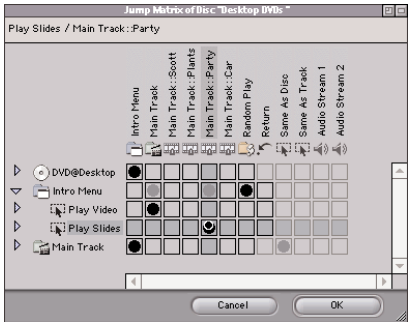
You'll feel right at home with the DVD Studio Pro interface. As you work, it's easy to view your project's structure in a variety of ways. DVD Studio Pro has real-time previewing built in, so you don't need to wait for the project to be multiplexed to see just how it looks and operates. You can even customize the onscreen layout to match your work style.

With DVD Studio Pro and a Power Mac G4 outfitted with a DVD-R drive, you no longer have to hire expensive outside suppliers to burn your DVD. Using the comprehensive tutorial, you can author DVDs yourself and retain more creative control. DVD Studio Pro lets you focus on the content of your DVDs, not on the details of DVD technology.



Get a graphical view of the elements of your DVD project and easily customize the windows to fit your work style.

Use the interactive marker editor to add chapter markers and onscreen buttons to your video. Your titles will look great and be highly functional, too.



With a clear view of the links you've created, it's easy to see your project's interactivity flow and spot errors long before they become a problem.

Features	Benefits
Professional DVD authoring on your desktop	
Tools to create standards-compliant DVD-Video titles from QuickTime movies or MPEG streams	• Retain the quality and precision of digital video from start to finish by authoring your projects on DVD-Video discs. The projects you author are compatible with most set-top and computer-based DVD players.
Direct MPEG-2 file support	• Easily encode your project in the format required for DVD using the included high-quality, high-speed MPEG Encoder.
Easy menu creation	• Build menus with the exact look and feel you have in mind. Use layered Photoshop files to create still menus, or use video clips for motion menus.
Complete range of DVD features	• Include in your project every feature that the DVD spec allows: up to 99 tracks, up to 8 audio streams per track, chapter markers, stories, subtitles, slide shows, and scripting.
Web links with DVD@CCESS	• Create interactive DVDs that, when played on Macintosh or Windows computers, can link directly to the web for late-breaking updates, additional information, or electronic shopping.
DVD-9 support	• Create DVD-Video projects up to 9 gigabytes in size.
Dolby Digital AC-3 encoding	• Make your work sound great when you encode it in Dolby Digital format—the industry standard for top-quality audio.
Enhanced workflow	
Compatibility with your desktop video editing application	• Use the application you know, such as Final Cut Pro, since DVD Studio Pro fits nicely into nearly any digital video production environment. You don't need to learn a new editing system.
Easy-to-use Apple interface that displays all aspects of your project at a glance	• Work productively right away, even if you aren't a DVD specialist.
Property Inspector that shows all relevant settings	• Choose the right settings with the help of pop-up menu prompts. DVD Studio Pro keeps track of all the details of the DVD-Video standard so you don't have to.
Real-time previews	• See your progress as you work. No need to create a disc image or wait for multiplexing.
Support for DVD-R, DVD-RAM, and digital tape output	• Output your work in the format that works best for you: — Choose DVD-R format to burn DVD discs that can run on standard DVD players. — Transfer your finished project to digital tape for mass duplication. — Use DVD-RAM to test your projects inexpensively before committing them to other media.
QuickTime savvy	
QuickTime MPEG Encoder included	• Convert QuickTime video to DVD-compliant MPEG-2 streams using your favorite editing application.
Dolby AC-3 format encoding for QuickTime audio files	• Use multichannel QuickTime audio files as the source for Dolby encoding.

DVD in Five Easy Steps

1 Shoot and edit your video using a digital camcorder and your favorite editing tool, such as Apple's Final Cut Pro.

2 Encode your video and audio into the formats required for DVD. Video uses the MPEG-2 format and audio uses PCM or Dolby Digital format. DVD Studio Pro adds MPEG encoding capabilities to any application that supports QuickTime MPEG Encoder.

3 Create the look and feel of your menus and buttons. Design still menus in Adobe Photoshop or motion menus using your favorite video editing tool. Easily import them into DVD Studio Pro.

4 Author and test your DVD. In this step, DVD Studio Pro brings it all together. Create and refine your project using intelligent pop-up menus that offer only relevant choices, helping you make the right decisions the first time. The built-in preview function lets you see how your links, menus, and buttons integrate throughout your video in real time.

5 Record your DVD in any number of ways. You can use an optional DVD-R drive (available in select Power Mac G4 configurations) to burn your DVD. You can use an external DVD recorder to burn your DVD. Send your project to a service bureau to write it to disc. Or record your project to DVD-RAM to be played on computers that have a DVD-RAM drive. If you plan to duplicate your work in large quantities, write your project to DLT or an external hard disk, then hand it over to a replication facility. For more information go to www.apple.com/dvd.

DVD Studio Pro is designed for video and multimedia professionals, not DVD technicians, so you can retain creative control of your project every step of the way.

Who Should Use DVD Studio Pro?

Ideal for…	Because…
Video production companies	• Your productions will benefit from razor-sharp digital images from start to finish—and it's easy to use so you won't have to give up creative control to an outside specialist.
Video and training departments in corporations, schools, and advertising agencies	• DVD offers more flexibility than videotape. Projects can include several language tracks. Viewers can go directly to the sections that interest them most. You can even add web links to your DVDs.
Independent filmmakers	• DVD Studio Pro easily integrates with your current video editing tools. With powerful features and a simple workflow, it lets you focus on your content.
Multimedia producers	• Previously, DVDs had to be created by specialists. Now creative professionals can do it themselves. That means you have creative control over a greater portion of your project.
Wedding and event photographers	• Customers appreciate durable, high-quality DVDs for preserving important memories.
Sales departments in corporations	• Most new portable computers can play DVDs, so salespeople can show sales videos without carrying extra equipment. Choose different parts of a presentation to appeal to customers with different needs and link to the web for the most up-to-date information.

Why Buy DVD Studio Pro?

- **Ease of use.** DVD Studio Pro is designed for creative professionals, not DVD engineers, so you can focus on your content and retain creative control—without getting bogged down in technical details.
- **Quality.** When you output your video projects on DVD-Video discs, the quality and durability far exceed those of VHS tapes.
- **Interactivity.** Your projects can link directly to your website, where customers can find more information or even shop while the messages in your video are fresh in their minds. Viewers can select the sections of your video production that most apply to them.
- **Cost savings.** DVD Studio Pro costs thousands of dollars less than competing desktop systems. After a single project, DVD Studio Pro often pays for itself compared with the cost of using an outside service bureau for authoring. Save money on localization by adding subtitle or multiple language track options.

For More Information

For more information about this product, or to find out where to buy Apple products, visit www.apple.com/software on the World Wide Web or call 800-538-9696. To purchase products from the Apple Store, go to www.apple.com/store or call 800-MY-APPLE.

Visit the Macintosh Products Guide at www.apple.com/guide for the latest information on more than 18,000 hardware and software products for your Macintosh computer.

Apple offers iTools, a free suite of Internet services, to help you get more out of using the web. Visit www.apple.com to sign up.

Apple

1 Infinite Loop
Cupertino, CA 95014
408-996-1010
www.apple.com

Product Details

Video capabilities

- Accommodates up to 99 video tracks in a project
- Includes up to 9 angles per track
- Allows for chapter markers within tracks to facilitate jumping directly to various points in a DVD
- Contains multistory feature to create alternate versions

Audio capabilities

- Allows up to 8 audio streams per video track
- Supports a range of streams from mono to 5.1 surround sound
- Accepts MPEG audio, PCM audio, and AC-3 streams
- Allows audio streams to be marked with a language for automatic selection by DVD players

Menus and interactivity

- Supports unlimited menus with up to 36 buttons per menu
- Allows still menus and buttons to be made from layered Photoshop files
- Allows motion menus to be made from video streams
- Permits buttons to be placed over video tracks
- Inserts web links in any part of the DVD using DVD@CCESS (for computer playback only)

MPEG encoding

- Includes MPEG Encoder software plug-in for all QuickTime-savvy video applications
- Encodes high-quality MPEG-2 format
- Supports both PAL and NTSC formats
- Supports 4:3 and 16:9 aspect ratios
- Accepts MPEG streams from other encoders

Dolby Digital encoding

- Fully supports Dolby Digital AC-3 format
- Accepts QuickTime (single- or multichannel), AIFF, Sound Designer, and WAVE format sound files for encoding
- Supports all channel formats from mono to 5.1 surround sound

Testing and verification

- Built-in preview function emulates DVD functionality
- Included Apple DVD Player application plays completed projects directly from your hard disk

Output formats

- DVD-R using Apple DVD-R drive or Pioneer DVR-S201 recorder
- DVD-RAM
- DLT tape (required for DVD-9 projects)

System Requirements

- Power Mac G4 with Apple-supplied AGP graphics card and DVD drive (configuration must support Apple DVD Player 2.0 or later)
- Mac OS 9.0.4 or 9.1
- QuickTime 4.1 or later
- Display with 1024-by-768-pixel resolution or higher (1280-by-1024-pixel resolution recommended)
- 128MB of RAM (192MB recommended)
- 12GB hard disk for project files (20GB for DVD-5 projects)
- Video and audio source material in QuickTime or MPEG format (for Dolby encoding, sound files can be QuickTime, AIFF, Sound Designer, or WAVE formats)
- Graphics editing application for creating menu graphics and overlays (Adobe Photoshop 4.0 or later recommended)

Recommended

- DVD-R or DLT drive for writing finished projects

Ordering Information

DVD Studio Pro
Order No. M8161Z/A

- CD-ROM containing DVD Studio Pro software, QuickTime MPEG Encoder software, DVD@CCESS software, A.Pack Dolby Digital encoding software, Subtitle Editor software, QuickTime Pro software, tutorial files, and sample files
- Instruction manual with comprehensive tutorial

Look for this logo to find great products for your Mac.

© 2001 Apple Computer, Inc. All rights reserved. Apple, the Apple logo, Final Cut Pro, Mac, Macintosh, and the Mac logo are trademarks of Apple Computer, Inc., registered in the U.S. and other countries. Apple Store, DVD Studio Pro, Power Mac, and QuickTime are trademarks of Apple Computer, Inc. AppleCare is a service mark of Apple Computer, Inc., registered in the U.S. and other countries. Adobe is a trademark of Adobe Systems Incorporated. Other product and company names mentioned herein may be trademarks of their respective companies. Product specifications are subject to change without notice.
January 2001 L05712A